

NEAQS 2002 Distributed Archive - Data Catalog				
Data Base	Description	URL	Contact 1	Contact 2
NOAA/AL Ship, Meteorological, Photometric, Gas-phase, and Aerosol Data from R/V Brown	Aeronomy Laboratory data from the NOAA R/V Ronald H. Brown are available for the period 12 July through 10 August, 2002. Ship, meteorological, and photometric data include latitude, longitude, true and relative winds, pressure, air and sea surface temperature, relative humidity, and photolysis rate coefficients for many trace species. Gas-phase data include NO, NO <sub>2</sub> , NO <sub>3</sub> , N <sub>2</sub> O <sub>5</sub> , alkyl and peroxyalkyl nitrates, NO <sub>y</sub> , O <sub>3</sub> , SO <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O, and most C <sub>2</sub> -C <sub>10</sub> VOC species including oxygenates. Aerosol data include number density and composition information for aerosols less than <1µm diameter. Carbon monoxide data are not available	<a href="http://www.al.noaa.gov/NEAQS/">http://www.al.noaa.gov/NEAQS/</a>	Eric Williams eric@al.noaa.gov 303-497-3226	Donna Sueper sueper@al.noaa.gov 303-497-7993
NOAA/PMEL Ship, Meteorological, Photometric, Gas-phase, and Aerosol Data from R/V Brown	Data can be downloaded in either ASCII (ACF) or binary (netCDF) format. All data records are single lines of tab-delimited parameters for each time/position. The time spacing may or may not be regular. The format has been designed so that the lines following the headings can be loaded or imported into any common spreadsheet.	<a href="http://saga.pmel.noaa.gov/data/">http://saga.pmel.noaa.gov/data/</a>	Tim Bates Timothy.S.Bates@noaa.gov 206-526-6248	
AIRMAP NEAQS2002 gas phase, particle data and met	Data collected from July 12 through August 10, 2002 from Thompson Farm, Castle Springs, Mount Washington and Appledore Island. One minute data for CO, NO, NO <sub>y</sub> , O <sub>3</sub> , CO <sub>2</sub> , SO <sub>2</sub> , JNO <sub>2</sub> , CNC, Met, and PSAP. SCAttering at 2 min, PM <sub>2.5</sub> at 60 minutes. Header contains metadata. Not all species at every site. Daily filter aerosols for Cl, SO <sub>4</sub> , NO <sub>3</sub> , Na, NH <sub>4</sub> , K, Mg, Ca from Thompson Farm, Fort Constitution, Castle Springs, Mt. Washington. Ozone and temperature data from Isle of Shoals ferry from Terry Rawlins (PSI).	Anonymous ftp site: gust.sr.unh.edu login: anonymous path: pub/submissions/NEAQS	Bob Talbot robert.talbot@unh.edu 603-862-1546	Mark Twickler mark.twickler@unh.edu 603-862-9919
NOAA/ETL Doppler Lidar radial velocity measurements	Data from the ETL Doppler lidar, stationed at Rye Harbor, N.H., are available from July 12 - Aug 6, 2002. Currently, vertical profiles of the horizontal wind are available in both ascii format and graphical format. Two sets of profiles were produced for each day: Low-angle profiles were derived from scans with an elevation angle < 5 degrees and high-angle profiles were derived from scans with an elevation angle > 5 degrees. Color plots of various scan angles will be posted for downloading throughout the summer	<a href="http://www.etl.noaa.gov/et2/data/data_pages/neaqs_winds.html">http://www.etl.noaa.gov/et2/data/data_pages/neaqs_winds.html</a>	Lisa Darby lisa.darby@noaa.gov	
NOAA/ETL Ozone and Aerosol Lidar Data from R/V Ron Brown	The OPAL ozone lidar on R/V Ron Brown measured vertical profiles of ozone mixing ratio and aerosol backscatter for the period from 12 July through 10 August, 2002. The range and time resolutions are 30 m and 5 min for ozone data and 5 m and 2 min for aerosol data. The altitude range is approx. 300 m to 2000 m for ozone and approx. 200 m to 3000 m for aerosol. Data in ASCII format and color plots for the time period from 1 through 5 August, 2002 will be available on the web by the end of June 2003. The remainder of the data set will be posted as it becomes available		Christoph Senff christoph.senff@noaa.gov	
NOAA/ETL Land-based Wind Profiler Network	Data from the ETL profilers was processed using NOAA/ETL quality control algorithms. Hourly ASCII data files containing the wind profiles, temperature profiles from RASS, and surface meteorological data collected on 10-m towers, as well as GIF images of these data products will be available on an ETL web site for quick viewing and/or downloading in early July.	TBD	Allen White allen.b.white@noaa.gov	David White david.e.white@noaa.gov
NOAA/ETL Meteorological Data from R/V Ron Brown	Data from the Ron Brown wind profiler were reprocessed after the experiment to remove ship motion contamination. The data were also checked for quality using NOAA/ETL quality control algorithms. Hourly ASCII data files containing the wind profiles, as well as GIF images of these data will be available on an ETL web site for quick viewing and/or downloading in early July. ASCII files containing the meteorological profiles measured by rawinsondes launched from the Ron Brown will also be available from the NOAA/ETL web site in raw and filtered ASCII formats	TBD	Allen White allen.b.white@noaa.gov	David White david.e.white@noaa.gov
NOAA/ETL Meteorological Data from Thompson Farm	NOAA/ETL platforms deployed at Thompson Farm consisted of a 10-m tower for measuring mean meteorological quantities and surface fluxes, a monostatic sodar, a laser ceilometer, and a suite of specialized radiation sensors. Backscatter images from the sodar, fluxes and mean meteorological variables from the tower, and cloud statistics from the ceilometer will be available in the future from a NOAA/ETL web site.	TBD	Allen White allen.b.white@noaa.gov	David White david.e.white@noaa.gov
Plymouth State Meteorological Data Archives	Data available from the Plymouth State Archive Site include: Daily synoptic summary discussions from 8 July through 30 August 2002; Plotted surface data maps for the transit and study areas (8 July - 9 August); Hourly surface data in raw, plotted, contoured, or meteogram for entire period and beyond; Regional satellite IR, VIS, and WV products (3 July - 9 August) and long-term archives of larger scale GOES-E and GOES-W images; NEXRAD base reflectivity and VAD products for GYX and BOX (4 July - 9 August) and long-term archives of RCM and MDR hourly radar composites; 12-hourly upper air data in plotted, contoured, thermodynamic diagram, or text form throughout the period and beyond; HYSPLIT back trajectories for IOSN3 from EDAS data (1 July - 31 August); and ETA analysis data in map or sounding form (8 July - 12 August). Most data are accessible in interactive form and maps can be customized by the user.	<a href="http://pscw.plymouth.edu/NEAQS/archive.html">http://pscw.plymouth.edu/NEAQS/archive.html</a>	Jim Koerner koerner@mail.plymouth.edu	Joe Zabransky zab@mail.plymouth.edu
UNH/UVA Data for Soluble Reactive Trace Gases from R/V Brown	Data can be downloaded in ASCII (ACF) format. All data records are single lines of tab-delimited parameters for each discrete sampling interval. Interval length and time between intervals may or may not be regular. The format has been designed so that the lines following the headings can be loaded or imported into any common spreadsheet. Header contains metadata.	Will be available on NOAA/PMEL server	Alex Pszenny alex.pszenny@unh.edu 603-862-1994	Bill Keene wck@virginia.edu 434-924-0586
UNH/UVA Data for Ionic Constituents of Size-Resolved and Bulk Aerosols from R/V Brown	Data can be downloaded in ASCII (ACF) format. All data records are single lines of tab-delimited parameters for each discrete sampling interval. Interval length and time between intervals may or may not be regular. The format has been designed so that the lines following the headings can be loaded or imported into any common spreadsheet. Header contains metadata.	Will be available on NOAA/PMEL server		
DOE/National Laboratories G-1 Aircraft gas phase, particle, and met data	Data from the DOE Research Aircraft Facility are available for the period 9 July through 11 August 2002. Aircraft data include position, state parameters and wind data. Aerosol measurements include nephelometry, size spectra from optical probes, black carbon, composition by mass spectrometry and PILS, and sub-micron size spectra by TDMA. Gas-phase data include NO, NO <sub>2</sub> , NO <sub>y</sub> , O <sub>3</sub> , SO <sub>2</sub> , CO and VOC species. Header contains meta-data. Data set currently incomplete.	<a href="ftp://aerosol.das.bnl.gov/pub/neaqs2002/">ftp://aerosol.das.bnl.gov/pub/neaqs2002/</a>	Stephen Springston srs@bnl.gov 631-344-4477	Gunnar Senum gsenum@bnl.gov 631-344-3896